

Appln. No. 10/024,802

Amendment dated February 17, 2004

Reply to Office Action mailed November 25, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims (deleted text being struck through and added text being underlined):

1 1. (Currently Amended) A deflection gauge with a dislodging
2 system comprising:
3 an elongate deflection gauge capable of determining a
4 minimum diameter of a lumen of a pipe; and
5 dislodging means for dislodging the deflection gauge from a
6 lodged condition in the lumen of the pipe, the dislodging means
7 being impactable against the deflection gauge while the deflection
8 gauge is positioned in the lumen of the pipe;
9 wherein the deflection gauge has longitudinally spaced
10 opposite ends and includes at least one pair of skid members, each
11 of the skid members extending in a longitudinal direction between
12 the ends of the deflection gauge.

1 2. (Previously Presented) The deflection gauge with
2 dislodging system of claim 1 wherein the dislodging means is
3 movably mounted on the deflection gauge such that the dislodging
4 means is slidable with respect to the deflection gauge.

1 3. (Original) The deflection gauge with dislodging system of
2 claim 1 wherein the dislodging means is movable with respect to the
3 deflection gauge in a direction oriented substantially parallel to the
4 longitudinal axis of the deflection gauge.

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1 4. (Original) The deflection gauge with dislodging system of
2 claim 1 wherein the dislodging means is slidably movable with
3 respect to the deflection gauge by pulling a cord when the cord is
4 connected to the dislodging means.

1 5. (Previously Presented) The deflection gauge with
2 dislodging system of claim 1 wherein the dislodging means impacts
3 the deflection gauge in a direction oriented substantially parallel to
4 the longitudinal axis of the deflection gauge.

1 6. (Previously Presented) The deflection gauge with
2 dislodging system of claim 1 wherein the dislodging means includes
3 a slide member slidably mounted on the deflection gauge for sliding
4 in a longitudinal direction oriented substantially parallel to the
5 longitudinal axis of the deflection gauge, the slide member having
6 opposite ends.

1 7. (Original) The deflection gauge with dislodging system of
2 claim 6 wherein the deflection gauge includes a pair of spaced end
3 plates, and wherein the slide member has a length greater than a
4 distance between outer surfaces of the end plates of the deflection
5 gauge.

1 8. (Original) The deflection gauge with dislodging system of
2 claim 6 wherein the deflection means includes a stop member
3 mounted on the slide member for limiting sliding movement of the
4 slide member with respect to the deflection gauge.

1 9. (Original) The deflection gauge with dislodging system of
2 claim 8 wherein the stop member is mounted at an end of the slide
3 member.

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1 10. (Previously Presented) The deflection gauge with
2 dislodging system of claim 8 wherein the stop member and another
3 stop member are mounted on the slide member with each stop being
4 mounted adjacent to an opposite end of the slide member.

1 11. (Original) The deflection gauge with dislodging system of
2 claim 6 wherein the dislodging means includes a hook mounted on
3 the slide member for connecting a cord thereto.

1 12. (Previously Presented) The deflection gauge with
2 dislodging system of claim 11 wherein the hook and another hook
3 are mounted on the slide member with each hook member being
4 mounted on an opposite end of the slide member.

1 13. (Currently Amended) The deflection gauge with
2 dislodging system of claim 1 wherein the deflection gauge
3 comprises a pair of longitudinally separated end plates ~~and a~~
4 ~~plurality of skid members extending in a longitudinal direction~~
5 ~~between the end plates.~~

1 14. (Previously Presented) The deflection gauge with
2 dislodging system of claim 13 wherein each of the end plates has an
3 aperture formed therein, and wherein the dislodging means
4 comprises a slide member extending in and being freely slidable
5 through the apertures of the end plates.

1 15. (Previously Presented) The deflection gauge with
2 dislodging system of claim 13 wherein radially outermost surfaces
3 of the skid members defining a calibrated diameter along a
4 circumference of the deflection gauge.

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1 16. (Previously Presented) A deflection gauge with a
2 dislodging system comprising:
3 a deflection gauge for measuring a minimum diameter of a
4 lumen of a pipe, the deflection gauge comprising:
5 a pair of longitudinally separated end plates, each of the
6 end plates having an aperture formed therein; and
7 a plurality of skid members extending between the end
8 plates, radially outermost surfaces of the skid members
9 defining a calibrated diameter along a circumference of the
10 deflection gauge, the radially outermost surfaces of the skid
11 members extending substantially parallel to each other and
12 substantially parallel to a longitudinal axis of the deflection
13 gauge; and
14 dislodging means for dislodging the deflection gauge from a
15 lodged condition in the lumen of a pipe, the dislodging means being
16 impactable against the deflection gauge in a longitudinal direction
17 of the deflection gauge while the deflection gauge is positioned in
18 the lumen of the pipe, the dislodging means being movably mounted
19 on the deflection gauge, the dislodging means being freely slidable
20 with respect to all portions of the deflection gauge in a direction
21 oriented substantially parallel to the longitudinal axis of the
22 deflection gauge.

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1 17. (Previously Presented) The deflection gauge with
2 dislodging system of claim 16 wherein the dislodging means
3 comprises:

4 a slide member slidably mounted on the deflection gauge, the
5 slide member being elongate with opposite ends;

6 a pair of stop members being mounted on the slide member
7 with each stop member being mounted on an opposite end of the
8 slide member; and

9 a pair of hooks being mounted on the slide member with each
10 hook being mounted on one of the opposite ends of the slide
11 member.

1 18. (Previously Presented) A deflection gauge with a
2 dislodging system comprising:

3 an elongate deflection gauge for measuring a minimum
4 diameter of a lumen of a pipe, the deflection gauge comprising:

5 a pair of longitudinally separated end plates, each of the
6 end plates having an aperture formed therein; and

7 a plurality of skid members extending between the end
8 plates, each of the skid members having opposite ends with
9 each of the ends being mounted on one of the end plates,
10 radially outermost surfaces of the skid members defining a
11 calibrated diameter along a circumference of the deflection
12 gauge, the radially outermost surfaces of the skid members
13 extending substantially parallel to each other and substantially
14 parallel to a longitudinal axis of the deflection gauge; and

15 dislodging means for dislodging the deflection gauge from a
16 lodged condition in the lumen of a pipe, the dislodging means being
17 adapted to impact against the deflection gauge while the deflection
18 gauge is positioned in the lumen of the pipe, the dislodging means